

ABSTRACT OF THE DISCLOSURE

A lightweight brake disk is made of a Titanium alloy and coated with a coating material that is hard and wear resistant. The aesthetically pleasing, wear resistant coating overlays wear surfaces and portions of the brake disk that will be visible when the brake disk is installed on the vehicle. The coating includes a first layer of a metal, such as amorphous Titanium metal, and a second layer that preferably includes a Nitride, Boride, Carbide or Oxide of the metal used in the first layer. The coating is preferably applied using a physical vapor deposition source such as a cathodic arc source with a controlled gas atmosphere.